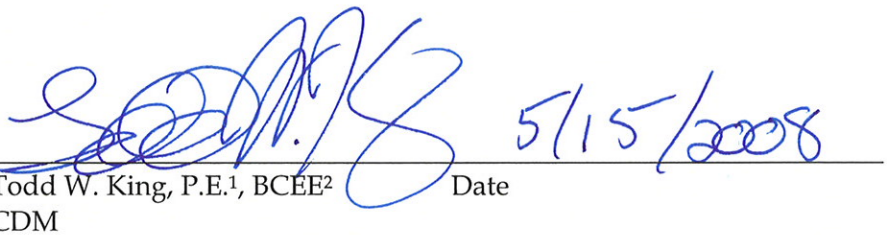
EXHIBIT B

Identification and Evaluation of Viable Remediation Alternatives to address Injuries related to Land Disposal of Poultry Waste within the Illinois River Watershed

Prepared by:



Todd W. King, P.E.[1], BCEE[2] Date
CDM

My fee for this work is $175 per hour in accordance with the contract terms and conditions between Motley-Rice and CDM.

I have not provided depositions or expert testimony in the previous four years.

[1] Professional Engineer No. 35557 Michigan
[2] Board Certified Environmental Engineer, American Academy of Environmental Engineers

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE FOR ALL REMEDIAL ALTERNATIVES

Tab Number	Description	Capital Cost	Annual Costs	Total Project Present Worth Cost
1	4.3.1 Removal - Cessation with proper poultry waste management	$0	$16,107,000	$199,872,000
2	4.3.2 Treatment - Buffer strips along fields (all streams)	$271,183,000	$55,202,550	$956,194,000
3	4.3.2 Treatment - Buffer strips along fields (>3rd order streams)	$42,619,000	$8,675,550	$150,274,000
4	4.3.3.1 Treatment - Residential drinking water systems (with cessation 190 wells & without cessation 980 wells)	$432,000 to $4,713,000	$148,200 to $479,891	$2,271,000 to $10,668,000
5	4.3.3.2 Treatment - Residential drinking water supplied (with cessation 190 wells & without cessation 980 wells)	$0	$1,444,456 to $7,450,352	$17,924,000 to $92,452,000
6	4.3.3.4 Treatment - Residential drinking water replace wells (with cessation 190 wells & without cessation 980 wells)	$5,805,000 to $29,939,000	$0	$5,805,000 to $29,939,000
7	4.4.1 Treatment – Drinking water surface water treatment (IRW rivers and stream WTPs)	$220,342,000	$18,635,763	$451,594,000
8	4.5.1 Treatment - Drinking water surface water treatment (Lake Tenkiller WTPs)	$232,705,000	$28,219,525	$582,882,000

TABLE 1

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 1-4.3.1 Removal - Cessation with proper poultry waste management

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	None	0	Each	$0	$0	
				Subtotal:	$0	
				30% Contingency(2):	$0	
				Total Contractor Costs:	$0	
				Engineering, Legal, Permits, Contractor OH&P(25%):	$0	
				Total Capital Costs:	$0	
				Rounded Total:	$0	

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Disposal outside IRW	354,000	Ton	$35	$12,390,000	Unit cost from Exhibit J:Rausser and Dicks
				Subtotal:	$12,390,000	
				30% Contingency(2):	$3,717,000	
				Total:	$16,107,000	
				30-Year Present Worth Cost (3):	$199,872,426	
				Rounded Total:	$199,872,000	
				Total Project Present Worth Cost:	$199,872,000	

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2. A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed basec
3. 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 2

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 2-4.3.2 Treatment - Buffer strips along fields (all streams)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Land acquisition	84,927	Acre	$1,465	$124,418,055	http://www.ers.usda.gov/publications/arei/ah722/arei1_1/arei1_1landuse.pdf (avg of 19 states)
2	Initial prep and planting	84,927	Acre	$500	$42,463,500	Acreage est. by Robert van Waasbergen, intersection of pastures and grassland with 100' buffer each side

Subtotal:	$166,881,555
30% Contingency(2):	$50,064,467
Total Contractor Costs:	$216,946,022
Engineering, Legal, Permits, Contractor OH&P(25%):	$54,236,505
Total Capital Costs:	$271,182,527
Rounded Total:	$271,183,000

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Maintenance	84,927	Acre	$500	$42,463,500	Repare of channelized flow, re-planting

Subtotal:	$42,463,500
30% Contingency(2):	$12,739,050
Total:	$55,202,550
30-Year Present Worth Cost (3):	$685,010,716
Rounded Total:	$685,011,000

Total Project Present Worth Cost:	$956,194,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 3

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 3-4.3.2 Treatment - Buffer strips along fields (>3rd order streams)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Land acquisition	13,347	Acre	$1,465	$19,553,355	http://www.ers.usda.gov/publications/arei/ah722/arei1_1/arei1_1landuse.pdf (avg of 19 states)
2	Initial prep and planting	13,347	Acre	$500	$6,673,500	Acreage est. by Robert van Waasbergen, intersection of pastures and grassland with 100' buffer each side

Subtotal:	$26,226,855
30% Contingency(2):	$7,868,057
Total Contractor Costs:	$34,094,912
Engineering, Legal, Permits, Contractor OH&P(25%):	$8,523,728
Total Capital Costs:	$42,618,639
Rounded Total:	$42,619,000

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Maintenance	13,347	Acre	$500	$6,673,500	Repare of channelized flow, re-planting

Subtotal:	$6,673,500
30% Contingency(2):	$2,002,050
Total:	$8,675,550
30-Year Present Worth Cost (3):	$107,655,257
Rounded Total:	$107,655,000

Total Project Present Worth Cost:	$150,274,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2. A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed
3. 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 4

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE

Tab 4-4.3.3.1 Treatment - Residential drinking water systems (with cessation 190 wells & without cessation 980 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Nitrogen only system (RO or Ion Exchange)	190	Each	$400	$76,000	76 gpd RO system http://www.bigbrandwater.com/reverseosmosis2.html
2	Bacteria system (UV)	878	Each	$2,000	$1,756,000	http://www.bigbrandwater.com/trojanp20.html
3	Installation	1,068	Each	$1,000	$1,068,000	
				Subtotal:	$2,900,000	
				30% Contingency(2):	$870,000	
				Total Contractor Costs:	$3,770,000	
				Engineering, Legal, Permits, Contractor OH&P(25%):	$942,500	
				Total Capital Costs:	$4,712,500	
				Rounded Total:	$4,713,000	

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Filters	2,280	Each	$50	$114,000	one filter per month per system
2	UV Bulbs	878	Each	$150	$131,700	1 bulb every other year
3	Power	1,234,468	kWhr	$0.10	$123,447	160 Watt power consumption
				Subtotal:	$369,147	
				30% Contingency(2):	$110,744	
				Total:	$479,891	
				30-Year Present Worth Cost (3):	$5,954,985	
				Rounded Total:	$5,955,000	
				Total Project Present Worth Cost:	$10,668,000	

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed ba
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 4

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 4-4.3.3.1 Treatment - Residential drinking water systems (with cessation 190 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Nitrogen only system (RO or Ion Exchange)	190	Each	$400	$76,000	76 gpd RO system http://www.bigbrandwater.com/reverseosmosis2.html
2	Bacteria system (UV)	0	Each	$2,000	$0	http://www.bigbrandwater.com/trojanp20.html
3	Installation	190	Each	$1,000	$190,000	
				Subtotal:	$266,000	
				30% Contingency(2):	$79,800	
				Total Contractor Costs:	$345,800	
				Engineering, Legal, Permits, Contractor OH&P(25%):	$86,450	
				Total Capital Costs:	$432,250	
				Rounded Total:	$432,000	

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Filters	2,280	Each	$50	$114,000	one filter per month per system
2	UV Bulbs	0	Each	$150	$0	1 bulb every other year
3	Power	0	kWhr	$0.10	$0	160 Watt power consumption
				Subtotal:	$114,000	
				30% Contingency(2):	$34,200	
				Total:	$148,200	
				30-Year Present Worth Cost (3):	$1,839,020	
				Rounded Total:	$1,839,000	
				Total Project Present Worth Cost:	$2,271,000	

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed ba
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 5

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE

Tab 5-4.3.3.2 Treatment - Residential drinking water supplied (with cessation 190 wells & without cessation 980 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	None	980	Each	$0	$0	Wells with N and or Bacteria issues

Subtotal:	$0
30% Contingency(2):	$0
Total Contractor Costs:	$0
Engineering, Legal, Permits, Contractor OH&P(25%):	$0
Total Capital Costs:	$0
Rounded Total:	$0

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Water	3,577,000	Gal	$1.52	$5,437,040	10 gpd per household
2	Cooler rental	11,760	Month	$25	$294,000	Per month

Subtotal:	$5,731,040
30% Contingency(2):	$1,719,312
Total:	$7,450,352
30-Year Present Worth Cost (3):	$92,451,725
Rounded Total:	$92,452,000

Total Project Present Worth Cost:	$92,452,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed ba
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 5

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 5-4.3.3.2 Treatment - Residential drinking water supplied (with cessation 190 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	None	190	Each	$0	$0	Wells with N and or Bacteria issues

Subtotal:	$0
30% Contingency(2):	$0
Total Contractor Costs:	$0
Engineering, Legal, Permits, Contractor OH&P(25%):	$0
Total Capital Costs:	$0
Rounded Total:	$0

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Water	693,500	Gal	$1.52	$1,054,120	10 gpd per household
2	Cooler rental	2,280	Month	$25	$57,000	Per month

Subtotal:	$1,111,120
30% Contingency(2):	$333,336
Total:	$1,444,456
30-Year Present Worth Cost (3):	$17,924,314
Rounded Total:	$17,924,000

Total Project Present Worth Cost:	$17,924,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed ba
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 6

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 6-4.3.3.4 Treatment - Residential drinking water replace wells (with cessation 190 wells & without cessation 980 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Abandon well	980	Each	$400	$392,000	
2	Install new well	568,400	LF	$20	$11,368,000	depth 580' based on 95pctile Delaware Cty
3	New piping	568,400	Each	$10	$5,684,000	
4	New pump	980	Each	$1,000	$980,000	

Subtotal:	$18,424,000
30% Contingency(2):	$5,527,200
Total Contractor Costs:	$23,951,200
Engineering, Legal, Permits, Contractor OH&P(25%):	$5,987,800
Total Capital Costs:	$29,939,000
Rounded Total:	$29,939,000

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Assume similar to existing	1	Lump Sum	$0	$0	

Subtotal:	$0
30% Contingency(2):	$0
Total:	$0
30-Year Present Worth Cost (3):	$0
Rounded Total:	$0

Total Project Present Worth Cost:	$29,939,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed basec
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 6

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 6-4.3.3.4 Treatment - Residential drinking water replace wells (with cessation 190 wells)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:					
1	Abandon well	190	Each	$400	$76,000	
2	Install new well	110,200	LF	$20	$2,204,000	depth 580' based on 95pctile Delaware Cty
3	New piping	110,200	Each	$10	$1,102,000	
4	New pump	190	Each	$1,000	$190,000	

Subtotal:	$3,572,000
30% Contingency(2):	$1,071,600
Total Contractor Costs:	$4,643,600
Engineering, Legal, Permits, Contractor OH&P(25%):	$1,160,900
Total Capital Costs:	$5,804,500
Rounded Total:	$5,805,000

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
1	Assume similar to existing	1	Lump Sum	$0	$0	

Subtotal:	$0
30% Contingency(2):	$0
Total:	$0
30-Year Present Worth Cost (3):	$0
Rounded Total:	$0

Total Project Present Worth Cost:	$5,805,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2. A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed basec
3. 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 7

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 7-4.4.1 Treatment – Drinking water surface water treatment (IRW rivers and stream WTPs)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:			Millions		
1	OK1021701 TAHLEQUAH PWA - Illinois River	1	Lump Sum	$ 82.28	$82,277,741	WTP data from http://sdwis.deq.state.ok.us/
2	OK1221637 CHEROKEE CO RWD #11 - Illinois River	1	Lump Sum	$ 74.83	$74,833,104	EPA cost data from Fed Reg Vol 71, No. 2 Jan 4, 2006 p.456
3	OK1021694 FLINT RIDGE RURAL WATER DISTRICT - Illinois River	1	Lump Sum	$ 29.33	$29,331,386	ENR escalation from 2003 to 2008 = 1.2085
4	OK1021775 SEQUOYAH CO RWD # 5 - Illinois River	1	Lump Sum	$ 29.33	$29,331,386	
5	OK1021770 ADAIR CO RWD #5 - Baron Fork	1	Lump Sum	$ 4.57	$4,568,300	
				Subtotal:	$220,341,918	
				30% Contingency(2):	$0	EPA estimate assumed to include contingencies
				Total Contractor Costs:	$220,341,918	
				Engineering, Legal, Permits, Contractor OH&P(25%):	$0	EPA estimate assumed to include these costs
				Total Capital Costs:	$220,341,918	
				Rounded Total:	$220,342,000	

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
				Millions		
1	OK1021701 TAHLEQUAH PWA - Illinois River	1	Year	$ 4.06	$4,060,711	WTP data from http://sdwis.deq.state.ok.us/
2	OK1221637 CHEROKEE CO RWD #11 - Illinois River	1	Year	$ 6.45	$6,453,630	EPA cost data from Fed Reg Vol 71, No. 2 Jan 4, 2006 p.456
3	OK1021694 FLINT RIDGE RURAL WATER DISTRICT - Illinois River	1	Year	$ 4.06	$4,060,711	ENR escalation from 2003 to 2008 = 1.2085
4	OK1021775 SEQUOYAH CO RWD # 5 - Illinois River	1	Year	$ 4.06	$4,060,711	
5	OK1021770 ADAIR CO RWD #5 - Baron Fork	1	Year	$ 0.74	$737,212	
				Subtotal:	$18,635,763	
				30% Contingency(2):	$0	EPA estimate assumed to include contingencies
				Total:	$18,635,763	
				30-Year Present Worth Cost (3):	$231,251,955	
				Rounded Total:	$231,252,000	

Total Project Present Worth Cost:	$451,594,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2. A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed based upon USEPA, 19
3. 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs

TABLE 8

Summary of Costs for Remedial Alternatives
Illinois River Watershed

PRELIMINARY COST ESTIMATE
Tab 8-4.5.1 Treatment - Drinking water surface water treatment (Lake Tenkiller WTPs)

CAPITAL (DIRECT & INDIRECT)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
	Direct Costs:			Millions		
1	OK1020210 SEQUOYAH COUNTY WATER ASSOC	1	Lump Sum	$ 82.28	$82,277,741	WTP data from http://sdwis.deq.state.ok.us/
2	OK1021721 CHEROKEE CO RWD #13	1	Lump Sum	$ 29.33	$29,331,386	EPA cost data from Fed Reg Vol 71, No. 2 Jan 4, 2006 p.456
3	OK1021773 GORE PWA	1	Lump Sum	$ 29.33	$29,331,386	ENR escalation from 2003 to 2008 = 1.2085
4	OK1021711 CHEROKEE CO RWD # 2 (KEYS)	1	Lump Sum	$ 29.33	$29,331,386	
5	OK1021713 EAST CENTRAL OKLA WATER AUTH	1	Lump Sum	$ 29.33	$29,331,386	
6	OK1021756 TENKILLER UTILITY CO	1	Lump Sum	$ 4.57	$4,568,300	
7	OK1021707 LRED (CHICKEN CREEK)	1	Lump Sum	$ 3.89	$3,891,515	
8	OK1021731 LRED (LAKEWOOD)	1	Lump Sum	$ 3.89	$3,891,515	
9	OK1021703 LRED (WILDCAT)	1	Lump Sum	$ 3.89	$3,891,515	
10	OK1021727 LRED (WOODHAVEN)	1	Lump Sum	$ 3.89	$3,891,515	
11	OK1021730 FIN & FEATHER RESORT	1	Lump Sum	$ 3.89	$3,891,515	
12	OK1021745 TENKILLER AQUA PARK	1	Lump Sum	$ 3.89	$3,891,515	
13	OK1021763 BURNT CABIN RWD	1	Lump Sum	$ 3.89	$3,891,515	
14	OK1021702 PETTIT MT WATER	1	Lump Sum	$ 1.29	$1,293,143	

Subtotal:	$232,705,333	
30% Contingency(2):	$0	EPA estimate assumed to include contingencies
Total Contractor Costs:	$232,705,333	
Engineering, Legal, Permits, Contractor OH&P(25%):	$0	EPA estimate assumed to include these costs
Total Capital Costs:	$232,705,333	
Rounded Total:	$232,705,000	

ANNUAL (POST-REMEDIAL SITE CONTROL)

	Item	Quantity	Units	Unit Cost ($)	Item Cost ($)	Comments
				Millions		
1	OK1020210 SEQUOYAH COUNTY WATER ASSOC	1	Year	$ 4.06	$4,060,711	WTP data from http://sdwis.deq.state.ok.us/
2	OK1021721 CHEROKEE CO RWD #13	1	Year	$ 4.06	$4,060,711	EPA cost data from Fed Reg Vol 71, No. 2 Jan 4, 2006 p.456
3	OK1021773 GORE PWA	1	Year	$ 4.06	$4,060,711	ENR escalation from 2003 to 2008 = 1.2085
4	OK1021711 CHEROKEE CO RWD # 2 (KEYS)	1	Year	$ 4.06	$4,060,711	
5	OK1021713 EAST CENTRAL OKLA WATER AUTH	1	Year	$ 4.06	$4,060,711	
6	OK1021756 TENKILLER UTILITY CO	1	Year	$ 0.74	$737,212	
7	OK1021707 LRED (CHICKEN CREEK)	1	Year	$ 0.99	$991,007	
8	OK1021731 LRED (LAKEWOOD)	1	Year	$ 0.99	$991,007	`
9	OK1021703 LRED (WILDCAT)	1	Year	$ 0.99	$991,007	
10	OK1021727 LRED (WOODHAVEN)	1	Year	$ 0.99	$991,007	
11	OK1021730 FIN & FEATHER RESORT	1	Year	$ 0.99	$991,007	
12	OK1021745 TENKILLER AQUA PARK	1	Year	$ 0.99	$991,007	
13	OK1021763 BURNT CABIN RWD	1	Year	$ 0.99	$991,007	
14	OK1021702 PETTIT MT WATER	1	Year	$ 0.24	$241,709	

Subtotal:	$28,219,525	
30% Contingency(2):	$0	EPA estimate assumed to include contingencies
Total:	$28,219,525	
30-Year Present Worth Cost (3):	$350,177,247	
Rounded Total:	$350,177,000	

Total Project Present Worth Cost:	$582,882,000

Notes:

1. Unit cost shown includes material and labor costs unless otherwise noted.
2 A 30% contingency is included provide for unexpected circumstances or variability in estimate areas, volumes, labor and material costs. Contingency allowance developed based upon USEF
3 30-year present worth based on a 7.0 percent discount rate as published in USEPA, 1993c, and has been applied to Annual/O&M Costs